

DOUBLE REGULATING BALANCING VALVE (FLANGED) Y-SERIES

The Balancing Valve is designed for double regulating, control and shut-off valve with built-in pressure drop measuring facility.

SALIENT FEATURES

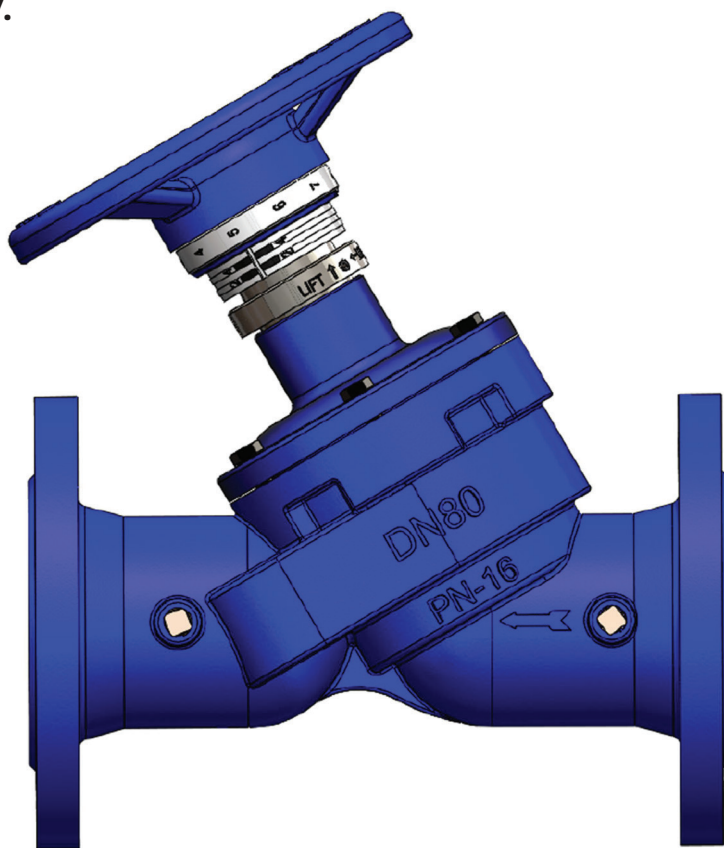
Design Standard: BS 7350
Size Range: DN50 - DN300
Body: Cast Iron
Precise Regulation and Control
Flanges as per ISO 7005-2
Handwheel Operated
Pressure Rating - PN16

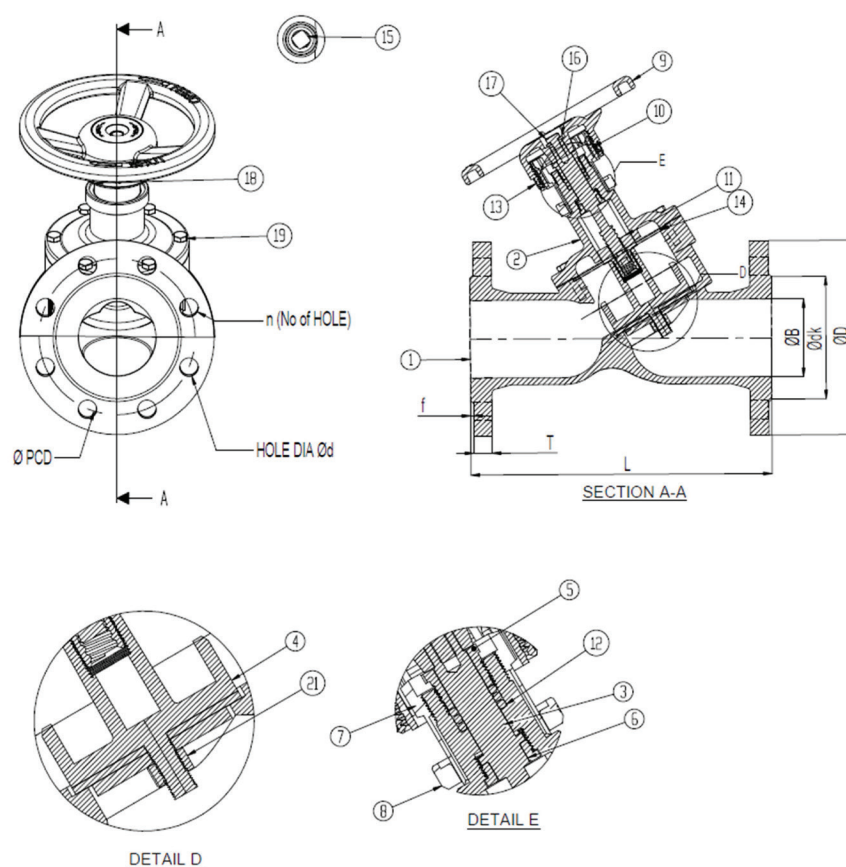
TEST PRESSURE (HYDROSTATIC)

Shell	24 Bar
Seat	17.6 Bar

SPECIFICATIONS

Max. Working Pressure	16 Bar at Ambient Temperature
Max. Working Temperature	120°C
Application	Suitable for Water





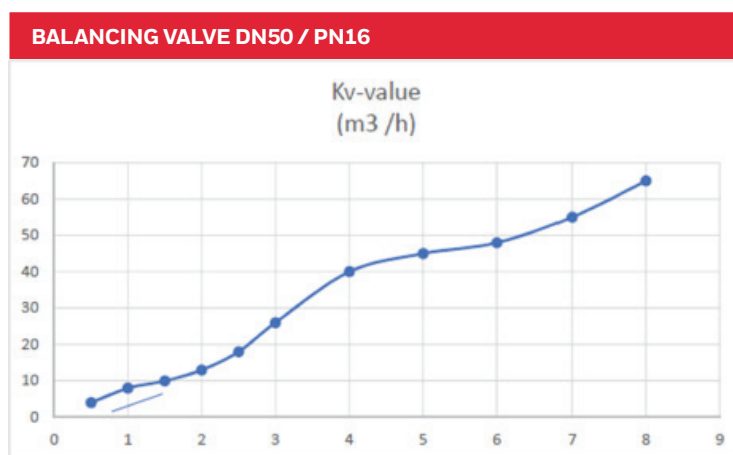
PART NO.	NAME	MATERIAL	SPECIFICATION	QTY.
1	Body	Cast Iron	IS:210 Gr. FG200	1
2	Bonnet	Cast Iron	IS:210 Gr. FG200	1
3	Stem	Stainless Steel	ASTM A276 Gr. SS 410	1
4	Disc	Ductile Iron	IS1865 Gr.400/15 + REPLACEABLE EPDM	1
5	Gland Nut	Stainless Steel	ASTM A276 Gr. SS 304	1
6	Back Seat	Stainless Steel	ASTM A276 Gr. SS 304	1
7	Retainer	Stainless Steel	ASTM A351 Gr. CF8	1
8	Locking Ring	Stainless Steel	ASTM A351 Gr. CF8	1
9	Handwheel	Cast Iron	IS:210 Gr. FG200	1
10	Secondary Scale	Plastic	---	1
11	Stem Nut	Brass	---	1
12	Packing Ring	O-Ring	EPDM	To Suit
13	Main Scale	Plastic	---	1
14	Gasket	Graphite Non-Asbestos	---	1
15	Plug	Mild Steel	---	2
16	Washer	Mild Steel	---	1
17	Bolt	Mild Steel	ISO -898-1 Gr. 8.8 (AUTO BLACK)	1
18	Grub Screw	Mild Steel	---	To Suit
19	Fastners	Mild Steel	ISO -898-1 Gr. 8.8/8 (AUTO BLACK)	To Suit
20	Name Plate	Aluminium	---	1
21	Nut	Mild Steel	ISO -898-1 Gr. 8 (AUTO BLACK)	1

OUTSIDE DIMENSIONS (mm)

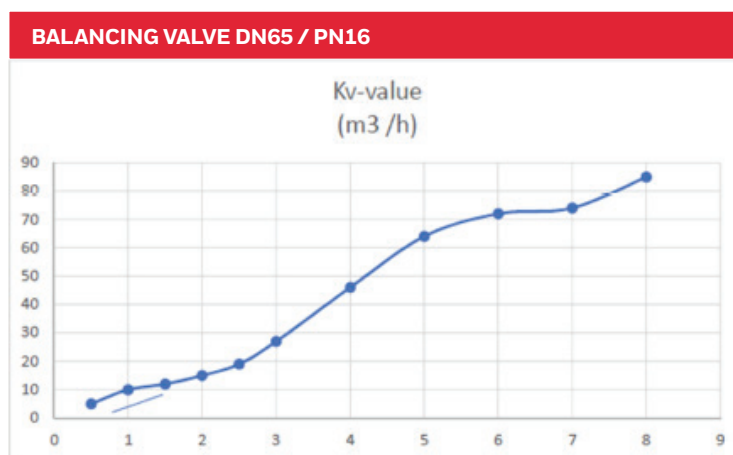
SIZE	RATING	L±2	ØB±2	ØD±3	Ødk ^{-5.0} _{0.0}	T±4	f±2	PCD±1.5	Ød Hole dia	n (NO. OF HOLES)
DN50	PN-16	230	50	165	99	20	3	125	19	4
DN65	PN-16	290	65	185	118	20	3	145	19	4
DN80	PN-16	310	80	200	132	22	3	160	19	8
DN100	PN-16	350	100	220	156	24	3	180	19	8
DN125	PN-16	400	125	250	184	26	3	210	19	8
DN150	PN-16	480	150	285	211	26	3	240	23	8
DN200	PN-16	600	200	340	266	30	3	295	23	12
DN250	PN-16	730	250	405	319	32	3	355	28	12
DN300	PN-16	850±3.5	300	460	370	32	4	410	28	12

FLOW CHARACTERISTICS CURVES (KV VALUES)

SETTING	KV-VALVE (m³/h)
0.5	4
1	8
1.5	10
2	13
2.5	18
3	26
4	40
5	45
6	48
7	55
8	65

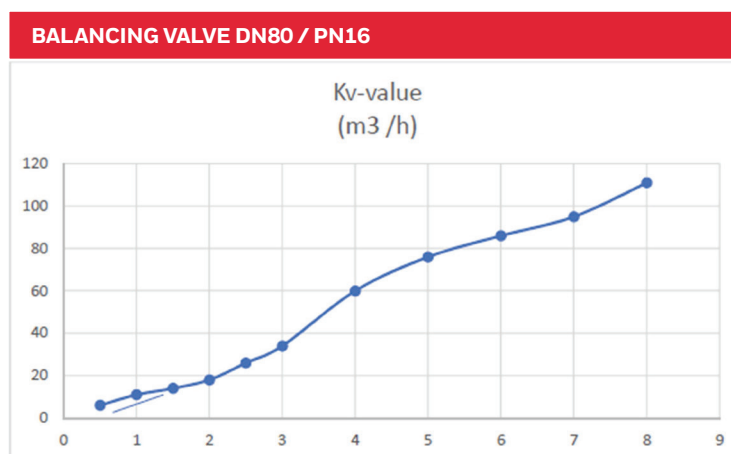


SETTING	KV-VALVE (m³/h)
0.5	5
1	10
1.5	12
2	15
2.5	19
3	27
4	46
5	64
6	72
7	74
8	85

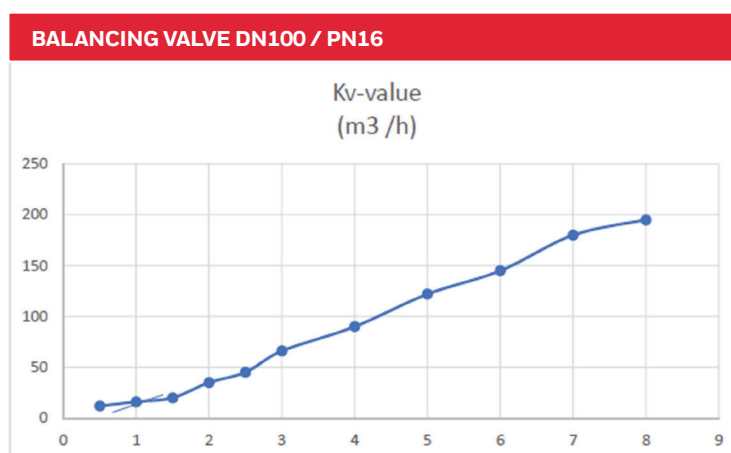


FLOW CHARACTERISTICS CURVES (KV VALUES)

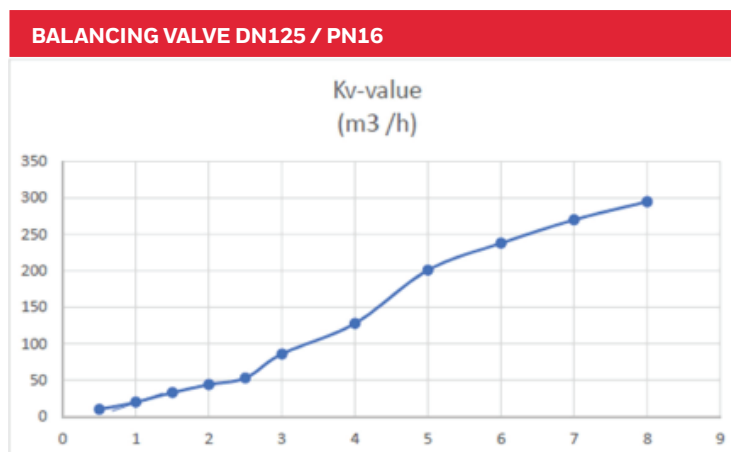
SETTING	KV-VALVE (m³/h)
0.5	6
1	11
1.5	14
2	18
2.5	26
3	34
4	60
5	76
6	86
7	95
8	111



SETTING	KV-VALVE (m³/h)
0.5	12
1	16
1.5	20
2	35
2.5	45
3	66
4	90
5	122
6	145
7	180
8	195

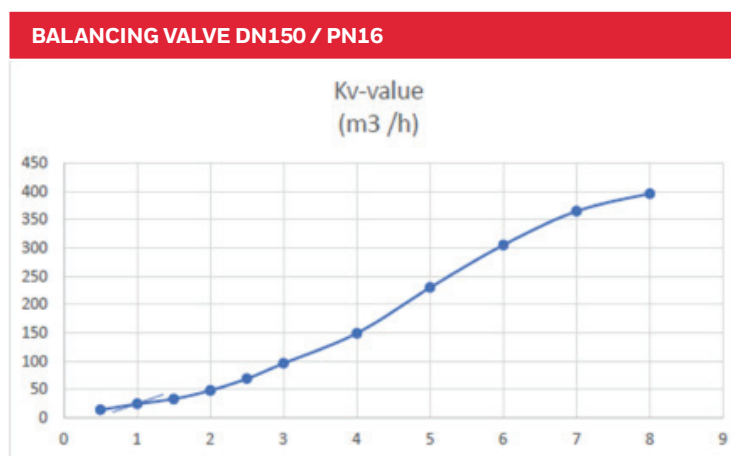


SETTING	KV-VALVE (m³/h)
0.5	10
1	20
1.5	33
2	44
2.5	53
3	86
4	128
5	201
6	238
7	270
8	295

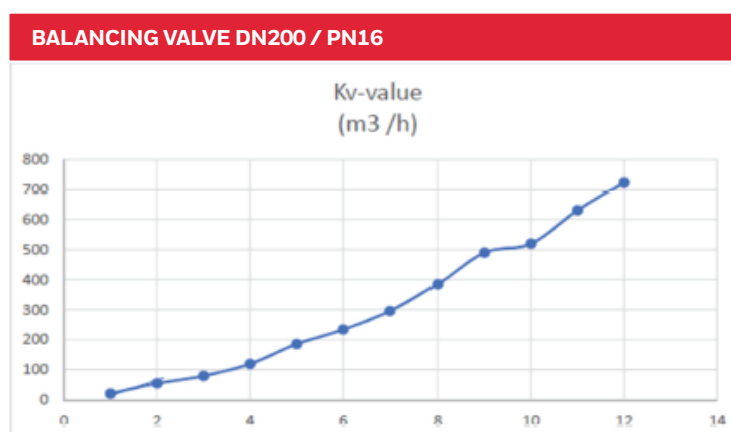


FLOW CHARACTERISTICS CURVES (KV VALUES)

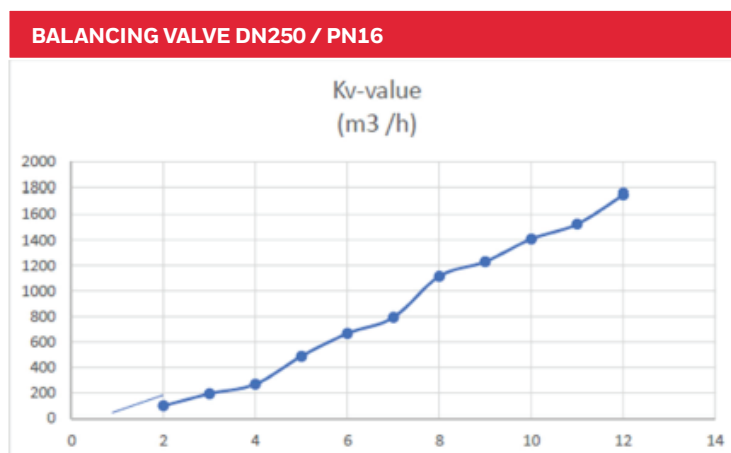
SETTING	KV-VALVE (m³/h)
0.5	14
1	24.5
1.5	33
2	48
2.5	69
3	96
4	149
5	230
6	305
7	365
8	396



SETTING	KV-VALVE (m³/h)
1	21
2	55
3	80
4	120
5	186
6	234
7	296
8	385
9	490
10	520
11	631
12	724

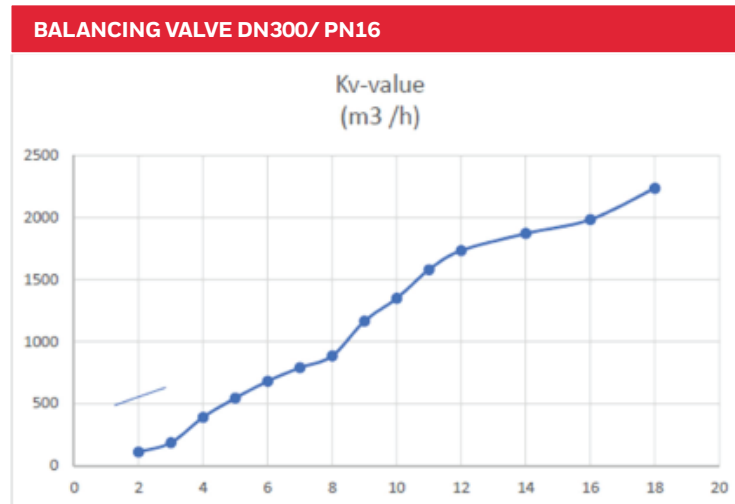


SETTING	KV-VALVE (m³/h)
2	100
3	194
4	270
5	488
6	667
7	793
8	1115
9	1231
10	1408
11	1525
12	1755



FLOW CHARACTERISTICS CURVES (KV VALUES)

SETTING	KV-VALVE (m ³ /h)
2	110
3	185
4	390
5	545
6	680
7	790
8	885
9	1165
10	1349
11	1580
12	1734
14	1872
16	1985
18	2237



MODEL TABLE FOR BALANCING VALVE WITH DI DISC

PART NO.	NAME	MATERIAL
DN50	BLV-Y01-PN16-050	DN50 PN16 FLG HW CI DI Balancing Valve
DN65	BLV-Y01-PN16-065	DN65 PN16 FLG HW CI DI Balancing Valve
DN80	BLV-Y01-PN16-080	DN80 PN16 FLG HW CI DI Balancing Valve
DN100	BLV-Y01-PN16-100	DN100 PN16 FLG HW CI DI Balancing Valve
DN125	BLV-Y01-PN16-125	DN125 PN16 FLG HW CI DI Balancing Valve
DN150	BLV-Y01-PN16-150	DN150 PN16 FLG HW CI DI Balancing Valve
DN200	BLV-Y01-PN16-200	DN200 PN16 FLG HW CI DI Balancing Valve
DN250	BLV-Y01-PN16-250	DN250 PN16 FLG HW CI DI Balancing Valve
DN300	BLV-Y01-PN16-300	DN300 PN16 FLG HW CI DI Balancing Valve

Environmental and Combustion Control

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